## GRAVITY STOCKWATER PIPELINE HYDRAULIC COMPUTATION WORKSHEET

Land user Field Office											
Land user Field Office  Job description  Location  Planner Date Checked by Date											
Planner				Date		Checked by				Date	
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(1) Station	(2) Reach Length (ft)	(3) Pipe Elev.	(4) Design Flow Rate (gpm)	(5) Nominal Pipe Diameter (in)	(6) Pipe Type	(7) Pipe Pressure Rating (psi)	(8) Friction Factor H <sub>f</sub> /100ft (ft/100)	(9) Reach Total H <sub>f</sub> (ft) (2)/100 x (8)	(10) HGL Elev. (from start HGL)	(11) Max. Pressure on Pipe (psi) WS* - (3) x .433	Comments
											at source
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<sup>\*</sup>See definition on next page.

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Land user					
Job description					
Farm No.	Tract No	Field No	C	ounty	
Designer	Date	Checke	d by	Date	
Water surface elevation	n (WS)				
Critical point along pip	eline (CP): Station	n	Elevation_		
Clearance Head (CH) at critical point: ft x .433 = psi					
Minimum required HG	L at CP = CP elev	ation + CH ft =	+	=	
Estimated pipeline ent	rance losses (EL)	=	ft		
Starting HGL elevation	n = WS – EL =			=	